

accompanying claims.

WHAT IS CLAIMED IS:

5 1. A safety unit of a hinge for a folding ladder, the
hinge comprising: a first joint unit having at a predetermined
position thereof a first stop shoulder; a second joint unit
coupled to the first joint unit by a central shaft so that the
first and second joint units pivot on the central shaft while
10 rotating relative to each other, with a second stop shoulder
being provided at a predetermined position of the second joint
unit to be opposite to the first stop shoulder; a guide disc
provided in the first joint unit to be operated in cooperation
with the second joint unit; and a locking unit provided at a
15 predetermined position of the first joint unit, the locking
unit engaging with one of notches provided along a peripheral
edge of the second joint unit so that the first and second
joint units are locked at a desired angular position, the
safety unit being provided between the first and second stop
20 shoulders, and comprising:

a mount part fastened to a predetermined portion of the
first joint unit to be positioned under the first stop
shoulder, with an inside portion of the mount part being
rounded to surround a part of the first joint unit;

25 an insert part integrally extending from an upper end of

the mount part and rounded to have a same curvature as the inside portion of the mount part, the insert part being inserted into the second stop shoulder when the second joint unit rotates relative to the first joint unit; and

5 an insert blade inwardly projected from horizontal center lines of inside portions of both the mount part and the insert part, the insert blade being circumferentially inserted into an outer circumferential surface of the first joint unit.

10 2. The safety unit according to claim 1, further comprising:

 a mount hole provided at a predetermined portion of the first joint unit to be disposed under the first stop shoulder; and

15 a mount rod provided at a predetermined position of the mount part to be fitted into the mount hole.